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NOTICE OF ALLOWANCE AND FEE(S) DUE

23373 7590 03/10/2010 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON DC 20037

EXAMINER					
DYE, ROBERT C					
ART UNIT	PAPER NUMBER				
1791					

DATE MAILED: 03/10/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/578,712	01/10/2007	Toshikatsu Yoshino	Q94787	3364		
TILE OF INVENTION: METHOD OF CORRECTING SHAPE OF GREEN TIRE AND APPARATUS FOR CARRYING OUT THE SAME						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/10/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

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SUITE 800	VANIA AVENUE		I S a tu	Ce hereby certify that t tates Postal Service ddressed to the Ma ansmitted to the US	rtificate his Fec(with sul il Stop PTO (57	e of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address 1) 273-2885, on the d	mission g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
WASHINGTON	I, DC 20037						(Depositor's name)
			Ļ				(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/578,712 TITLE OF INVENTION	01/10/2007 : METHOD OF CORRE	ECTING SHAPE OF GRI	Toshikatsu Yoshino EEN TIRE AND APPAI	RATUS FOR CARR	YING C	Q94787 OUT THE SAME	3364
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISSU	Æ FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	06/10/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	7			
DYE, RO		1791	264-326000	_			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha B/122) attached. ication (or "Fee Address 22 or more recent) attach ND RESIDENCE DAT. less an assignee is ident h in 37 CFR 3.11. Comp	"Indication form red. Use of a Customer A TO BE PRINTED ON		to 3 registered pate tively, agle firm (having as r agent) and the nar ttorneys or agents. I be printed. type) patent. If an assign an assignment.	a memb nes of u f no nan	p to p to a e is 3	ocument has been filed for
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 Change in Entity Sta a. Applicant claim 	tus (from status indicate is SMALL ENTITY stati		☐ b. Applicant is no I	onger claiming SM/	LLEN	ITTY status. See 37 C	FR 1.27(g)(2).
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other that Office.	n the applicant; a res	istered	attorney or agent; or the	ne assignee or other party ir
Authorized Signature				Date			
Typed or printed name				Registration			
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu (irginia 22313-1450. DC k13-1450.	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain of 1.14. This collection is depending upon the in the Chief Information Off COMPLETED FORMS	or retain a benefit by estimated to take 12 dividual case. Any c icer, U.S. Patent and TO THIS ADDRES	the pub minutes omment I Trader S. SEN	lic which is to file (and is to complete, including its on the amount of ti- mark Office, U.S. Dep D TO: Commissioner	d by the USPTO to process in gathering, preparing, and me you require to complete artment of Commerce, P.O for Patents, P.O. Box 1450

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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10/578,712	01/10/2007	Toshikatsu Yoshino	Q94787	3364	
23373	7590 03/10/2010	EXAMINER			
SUGHRUE MIC	ON, PLLC	DYE, ROBERT C			
2100 PENNSYLVANIA AVENUE, N.W.			ART UNIT	PAPER NUMBER	
SUITE 800 WASHINGTON, DC 20037			1791 DATE MAII ED: 03/10/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 518 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 518 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/578,712 YOSHINO ET AL. Notice of Allowability Examiner Art Unit ROBERT DYE 1791 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 11/03/2009. The allowed claim(s) is/are 1-13. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. ___ 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s)

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

/R. D./

1. | Notice of References Cited (PTO-892)

Pacer No./Mail Date

of Biological Material

Notice of Draftperson's Patent Drawing Review (PTO-946).

4. T Examiner's Comment Regarding Requirement for Deposit

Information Disclosure Statements (PTO/SB/08).

Notice of Informal Patent Application
 Il Interview Summery (PTO-413).

7. X Examiner's Amendment/Comment

8. X Examiner's Statement of Reasons for Allowance

Paper No./Mail Date

9. ☐ Other

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as provided
by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be
submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Allison Tulino on March 1, 2010.

The application has been amended as follows:

In claim 1, line 4, wherein the claim recites "correcting unit provided thereon,", changed "provided" to --attached--.

In claim 3, line 4, wherein the claim recites "pressing members provided on the green tire support table", change "provided on" to --attached to--.

- 2. The following is an examiner's statement of reasons for allowance:
- 3. Claims 1 and 3 recite a method and apparatus for correcting the shape of a green tire comprising a green tire support table, a lower tire bead correcting unit which is attached to the support table, and an upper tire bead correcting unit; wherein the lower and upper tire bead correcting units comprise a plurality of radially movable pressing members which engage with a tire bead and move outward to shape the bead into a completely round shape of a predetermined diameter and wherein the lower and/or upper tire bead correcting units are vertically movable relative to the other to adjust the axial distance between the upper and lower tire beads. The closest prior art

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of record is represented by Kaneko (4,600,370) and Takahashi (JP2002-079589). Kaneko discloses a method and apparatus for correcting deformities in a tire wherein a device comprising radially extending members 26 and 32 engage with tired beads and move apart axially. The device operates by lifting the tire off a support table 70, retracting the upper bead unit while retaining the lower bead unit in lowered position, and then transporting the tire to a vulcanization mold. The lower bead unit of Kaneko is designed to work in tandem with the upper bead unit (directly attached) in order to shape and transfer the green tire. A person having ordinary skill in the art would not be motivated to attach the lower bead correcting unit to the support table as such would substantially alter the function of Kaneko since the tire is intended to be lifted off the initial support table. Takahashi discloses a tire reshaping apparatus and method but the bead correcting units only move radially and no axial reshaping is performed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT DYE whose telephone number is (571)270-7059. The examiner can normally be reached on Monday to Friday 8:00AM to 5:00 PM FST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph S. Del Sole can be reached on (571)272-1130. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RCD/

/Joseph S. Del Sole/ Supervisory Patent Examiner, Art Unit 1791